



Overview

Amphenol RF offers a full line of high-performance MMCX cable assemblies on a variety of small flexible cable types. These 50 ohm assemblies are available with plug to plug configurations in an extensive range of standard lengths from six inches to three meters. MMCX cable assemblies are suitable for a number of applications including broadband connectivity and external antennas.

The MMCX connector series is a robust micro-miniature interface with broadband capabilities of DC to 6 GHz and secure, fast and easy snap-on/snap-off coupling. These connectors are manufactured from brass with gold plating and offer reliable electrical performance up to the limits of the cable type. Their small size paired with the flexible cable types make them an ideal choice for compact applications.

Features and Benefits

- Broadband performance with low reflections
- Quick connect/disconnect snap-on mating
- Micro-miniature package size
- Conforms to the European CECC 22000 specs

Applications

- Broadband Modules
- Wi-Fi Access Points
- GPS Units
- Antennas

Ordering Information

MMCX to MMCX on Flexible Coax Cables

Part Number	Description
095-900-548XXXX	MMCX Straight Plug to MMCX Straight Plug RG-174 50 Ohm
095-900-549XXXX	MMCX Right-Angle Plug to MMCX Straight Plug RG-174 50 Ohm
095-900-550XXXX	MMCX Right-Angle Plug to MMCX Right-Angle Plug RG-174 50 Ohm

[View All MMCX Cable Assemblies](#)

Note: 'XXXX' denotes length code. See available lengths in chart below.

Standard Lengths Available

Length Code	Length in Inches (Millimeters)
-006	6.00 in (152.40 mm)
-010	10.00 in (254 mm)
-012	12.00 in (305 mm)
-024	24.00 in (610 mm)
-036	36.00 in (914.40 mm)
-048	48.00 in (1219.20 mm)
M050	19.69 in (500 mm)
M100	39.37 in (1000 mm)
M200	196.85 in (5000 mm)

Amphenol RF

Four Old Newtown Road
Danbury, CT 06810

For more information visit www.amphenolrf.com
or call 800.627.7100

Amphenol® RF

Technical Specifications (Connectors)

Electrical

Impedance		50Ω
Frequency Range		DC - 6 GHz
Voltage Rating		170 Volts RMS Max Continuous
Dielectric Withstanding Voltage		500 VRMS Max
VSWR (Return Loss)	DC - 4 GHz	1.25 (-19 dB) Max
	4 - 6 GHz	1.40 (-16 dB) Max
Insulation Resistance		500 MΩ Min
Center Contact Resistance		10 mΩ Min
Outer Contact Resistance		5 mΩ Min

Environmental

Temperature Range	-40°C to +90°C
RoHS Compliance	Compliant with Exemption 6C

Mechanical

Mating Cycles	500 Min
Coupling Mechanism	Push-On

Materials

Body	Brass, Gold Plated
Contact	Brass, Gold Plated
Insulator	PTFE, Natural

Note: Technical specifications are typical and may vary by specific part number. Please see component drawing.

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